THE POSSIBILITIES ARE INFINITE



DATA SHEET

ESPRIMO E7935 E80+

Your desktop PC without any compromises

Issue: April 2009

ESPRIMO E7935 E80+

The ESPRIMO E7935 E80+ can be positioned vertically or horizontally - the ideal choice for your desk. Equipped with state-of-the-art Intel® technology, especially with regard to system management, this PC, made of environmentally conscious material, operates reliably and quietly. It also has an 80% effective power supply which significantly helps to save the environment and reduce your costs. Why compromise between a good conscience and top-quality equipment when you can have both at the same time?



Small form factor PC

Flexible desktop solution whatever the space required.

■ Less than 13 litres volume; also usable as a thin client

Environmentally compatible product

Your contribution to environmental protection for the continued existence of our planet

■ Halogen-free mainboard, sophisticated product concept for the entire lifecycle



Quiet

Pleasant working environment due to an extremely quiet system

Innovative hardware design, optimized cooling concept

System management

Simple system administration for complex IT infrastructures

Latest Intel® Q45 chipset and Intel® vPro™ technology (with selected processors)

Energy-saving

Low power consumption and costs with no loss in performance.

■ State-of-the-art technology, switched monitor outlet, low energy-consuming processors, power supply efficiency up to 85% and enhanced power management settings

























Components	
	Intel® Core TMO Overd COSEO (O CO CUITA AO MIDIA 2020 MUITA)
Processor	Intel® Core™2 Quad Q9550 (2.83 GHz, 12 MB, 1333 MHz)
	Intel® Core™2 Quad Q9400 (2.66 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Quad Q8300 (2.5 GHz, 4 MB, 1333 MHz)
	Intel® Core™2 Quad Q8200 (2.33 GHz, 4 MB, 1333 MHz)
	Intel® Core™2 Duo E8600 (3.33 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo E8500 (3.16 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo E8400 (3.0 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo E7500 (2.93 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo E7400 (2.8 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo E7300 (2.66 GHz, 3 MB, 1066 MHz)
	Intel® Pentium® E5400 (2.70 GHz, 2 MB, 800 MHz)
	Intel® Pentium® E5300 (2.6 GHz, 2 MB, 800 MHz)
	Intel® Pentium® E5200 (2.5 GHz, 2 MB, 800 MHz)
	Intel® Pentium® E2220 (2.4 GHz, 1 MB, 800 MHz)
	Intel® Celeron® E1200 (1.6 GHz, 512 KB, 800 MHz)
	Intel® Celeron® 450 (2.2 GHz, 512 KB, 800 MHz)
Memory modules	4 GB (1 module(s) with 4 GB, DDR2), 800 MHz
monory modules	2 GB (1 module(s) with 2 GB, DDR2), 800 MHz
	1 GB (1 module(s) with 1 GB, DDR2), 800 MHz
Hard disk drives (internal)	SSD SATA, 128 GB, 2.5-inch
	SSD SATA, 64 GB, 2.5-inch
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
Hard disk notes	Supporting NCQ and 3 GBit
Graphics add on cards (op-	Dual DVI / Single Display port adapter
tional)	DVI Adapter
tionary	
	NVIDIA® Geforce® 9300GE low profile 256 MB NVIDIA® Geforce® 9300GE low profile 512 MB
	·
	NVIDIA® Geforce® 9500GS low profile 512 MB
	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB
Modular bay options	NVIDIA® Geforce® 9500GS low profile 512 MB
Modular bay options	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer
Modular bay options	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard
Modular bay options	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer
Modular bay options	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM
Modular bay options Interface add on cards/components (optional)	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM DVD Super Multi
Interface add on cards/compo-	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM DVD Super Multi
Interface add on cards/compo-	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM DVD Super Multi MultiCard Reader 15in1, 3,5-Inch
Interface add on cards/compo-	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM DVD Super Multi MultiCard Reader 15in1, 3,5-Inch WLAN III, 802.11g/Draft-n
Interface add on cards/compo-	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM DVD Super Multi MultiCard Reader 15in1, 3,5-Inch WLAN III, 802.11g/Draft-n WLAN II, 802.11g, 54Mbps Parallel Interface
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Interface add on cards/components (optional)	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM DVD Super Multi MultiCard Reader 15in1, 3,5-Inch WLAN III, 802.11g/Draft-n WLAN II, 802.11g, 54Mbps Parallel Interface Modem adapter kit (EU) Modem 56k incl. RJ11 modem cable Gigabit Ethernet PCle x1 FireWire PCI-Card IEEE1394 eSATA Interface Dual serial card PCI LP
Interface add on cards/components (optional)	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM DVD Super Multi MultiCard Reader 15in1, 3,5-Inch WLAN III, 802.11g/Draft-n WLAN II, 802.11g, 54Mbps Parallel Interface Modem adapter kit (EU) Modem 56k incl. RJ11 modem cable Gigabit Ethernet PCle x1 FireWire PCI-Card IEEE1394 eSATA Interface Dual serial card PCI LP
Interface add on cards/components (optional) Base unit Mainboard	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM DVD Super Multi MultiCard Reader 15in1, 3,5-Inch WLAN III, 802.11g/Draft-n WLAN II, 802.11g, 54Mbps Parallel Interface Modem adapter kit (EU) Modem 56k incl. RJ11 modem cable Gigabit Ethernet PCle x1 FireWire PCI-Card IEEE1394 eSATA Interface Dual serial card PCI LP ESPRIMO E7935 E80+
Interface add on cards/components (optional) Base unit Mainboard Mainboard type	NVIDIA® Geforce® 9500GS low profile 512 MB NVIDIA® Quadro NVS 290 low profile 256 MB 1.44 MB Floppy, standard Blu-ray Disc Triple Writer DVD-ROM DVD Super Multi MultiCard Reader 15in1, 3,5-Inch WLAN III, 802.11g/Draft-n WLAN II, 802.11g, 54Mbps Parallel Interface Modem adapter kit (EU) Modem 56k incl. RJ11 modem cable Gigabit Ethernet PCle x1 FireWire PCl-Card IEEE1394 eSATA Interface Dual serial card PCl LP ESPRIMO E7935 E80+

Mainboard	
Processor socket	LGA 775
Processor quantity maximum	1
System bus (FSB / HT / QPI)	up to 1333 MHz
Memory slots	4 DIMM (DDR2)
Supported capacity RAM (max.)	16 GB
Memory frequency	800 MHz
Memory notes	With future modules. Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).
LAN	10/100/1000 MBit/s Intel® 82567LM
BIOS version	Phoenix 6.0
BIOS features	BIOS Flash EPROM update by software Recovery BIOS
Audio codec	Realtek ALC663
Audio features	Internal speaker supports audio playback, High Definition audio
I/O controller on board	
Serial ATA total	4
thereof eSATA	2 (optional)
Controller functions	Serial ATA II NCQ and 3 GBit AHCI Raid 1/0
Interfaces	
Audio: line-in	1
Audio: line-out	1
Front audio: headphone	1
Front audio: microphone	1
USB 2.0 total	12
USB front	2
USB rear	6
USB internal	4
VGA	1
DVI	optional
Serial (RS-232)	2 (9pin, 16 byte FIFO, 16550 compatible)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Parallel	optional (25pin with EPP and ECP)
Input device / components	
· ·	Optical USB tilt wheel mouse Optional: Optical USB/PS2 tilt wheel mouse
Drive bays	
Drive bays total	3
3.5-inch internal bays	1
3.5-inch external bays	1
5.25-inch external bays	1
Orive bay notes	optional external bay as internal 3,5"
Slots	
PCI-Express x16	1 x (210 mm) low profile
PCI-Express x4 (mech. x8)	1 x (210 mm) low profile
PCI (32-bit / 33 MHz)	2 x (190 mm) low profile
Slots optional configuration	or 1x PCI Express x16 low profile (190mm) and via Riser 2 x PCI full heigh (174 / 210 mm)
Graphic on board	
Graphics brand name	Intel® GMA 4500

Graphic on board	
Shared video memory	up to 256 MB
Refresh rate 1024 x 768 (recommended / max.)	85 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz / -
Refresh rate 1600 x 1200 recommended / max.)	85 Hz / -
TFT resolution (VGA)	1360 x 768 pixel
	1440 x 900 pixel
	1680 x 1050 pixel
	1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel
	1440 x 900 pixel 1680 x 1050 pixel
	1920 x 1200 pixel
Graphic notes	•
Graphic notes	Tested resolutions, depending on display type additional resolutions and frequencies possible
	Shared memory depending on main memory size
	Resolution (color depth up to 32 Bit/pixel)
	For TFT we recommend to use 60Hz.
Electrical values	
Power efficiency note	power supply efficiency (at 230V; 20% / 50% / 100% load) : 82% / 85% / 83%
Rated voltage range	100 - 240 V
Rated frequency range	50 - 60 Hz
	90 - 264 V
Operating voltage range	
Operating line frequency range	47 - 63 Hz
Max. output of power supply	300 W
Power factor correction/active power	active
Monitor outlet	Switched
Power consumption	
Power consumption note	see white paper Energy Consumption
ink to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=19ebaf71-f9cf-44bf-bea4-5c3257aec0b7
leat discination	
Heat dissipation	
Heat dissipation notes	see white paper Energy Consumption
Noise for standard configuration	n (HDD, ODD, FDD)
Noise emission	According to ISO9296
Related Processors for noise	Intel® Core™2 Duo E8600
Noise Operation mode 1: ODD oad (Blue angel requirement)	5.0 B / 36 dB(A)
Noise Operation mode 2: HDD oad (Blue angel requirement)	3.5 B / 19 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement	3.5 B / 18 dB(A)
Noise Operation mode 4: High oad	3.5 B / 19 dB(A)
Noise Operation mode 5: Office applications	3.5 B / 19 dB(A)
dle mode (Blue Angel equirement)	3.5 B / 19 dB(A)
Noise notes / description	A weighted sound power level Lwad (in B) / workplace related A-weighted sound pressure level LpAm (in dB(A)), Bystander position $\frac{1}{2}$
Dimensions / Weight / Environm	ental
Dimension (W x D x H)	340 x 380 x 100 mm
Operating position	Vertical / horizontal (no feet needed)
Veight	approx. 10 kg
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	15 - 35°C

Compliance	
Germany	GS optional
Europe	CE Nordic Swan in progress
USA/Canada	FCC Class B UL CSA
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
Operating system	
Operating system optional preinstalled	Microsoft® Windows Vista® Home Basic Microsoft® Windows Vista® Home Premium Microsoft® Windows Vista® Business 32bit Microsoft® Windows Vista® Business 64bit TwinLoad Microsoft® Windows® XP Professional (DVD)
Operating system compatible	Linux
Additional Software	
Additional software (preinstalled)	Nero Essentials (burning software)
Additional software (optional)	Recovery DVD (Windows® XP / Windows Vista®) Drivers & Utilities DVD (DUDVD) Windows Vista® Drivers & Utilities DVD (DUDVD) Windows® XP
	Keyboard on (Fujitsu keyboard required) Thermal management
Spare part availability	5 years
Compatibility (references)	
	DMI 2.0 PC 2001 WMI 1.5 USB 2.0
Manageability	
Manageability features	ASF 2.0 (Alert Standard Format) DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional) PXE 2.1 Boot code BootP Boot Code including Bootmanage Administrator Software (tested) Wake up from S5 (off mode) Intrusion switch (optional) iAMT 5.0
Manageability type	DeskView 10.x client management including:
DeskView features	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Advanced alerts (ASF implementation) Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
Manageability link	http://ts.fujitsu.com/manageability http://www.altiris.com/fsc
Security	
Physical security	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock

Security	
System security	Boot sector virus protection Write protect option for the Flash EPROM Embedded security (TPM 1.2) - Infineon Control of all USB interfaces External USB ports can be disabled separately Boot protection for floppy disk / CD drive and write protection for floppy disk drive Control of external interfaces
User security	User and supervisor BIOS password SystemLock 2 BIOS SmartCard Security Hard disk password Optional: Access protection via external SmartCard reader Optional: Access protection via internal SmartCard reader
Serviceability	
	FlexySlot EasyFix EasyChange for HDD EasyChange for optical drives
Packaging information	
Packaging dimension	500x290x540 mm
Max. quantity / pallet	24
Material - Weight (g) Carton	1270 g
Material - Weight (g) EPS / PS	230 g
Material - Weight (g) PE	appr. 60 g
Packaging notes	printed user documentation is bleached in chlorine free process
Warranty Maintenance and Support Servi	ces - the perfect extension
Recommended Service	5x9, Response Time: Next Business Day
Service Weblink	http://ts.fujitsu.com/Supportservice

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:

http://ts.fujitsu.com/aboutus

Take back and Recycling information:

http://ts.fujitsu.com/recycling

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